AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A wireless information home appliance system comprising at least one information home appliance, said at least one information home appliance each having a wireless I/O (input/output) circuit, and a center controller connected to a network, said center controller comprising a wireless I/O (input/output) circuit,

wherein when started, said center controller:

(a) automatically receives and detects an output signal of the wireless I/O circuit of each of said at least one information home appliance and then registers the connection of said at least one information home appliance to said network [[,]];

(b) judges if the signal received came from a new information home appliance or not;

(c) registers the new information home appliance by recognizing a PIN (personal identification number) code of the information home appliance in a memory thereof for further recognition use if the information home appliance under detection is newly installed, and then returns to step (a); and

(d) ~~regularly~~ inquires about the current condition of every said ~~at least one~~ registered information home appliance that is not newly installed, judges if each registered information home appliance has reacted to the inquiry by sending out a response signal, and then records the PIN code of each information home appliance that has not reacted so as not to make nay further inquiry if the information home appliance has no reaction, and then returns to step (a);

wherein when ~~received~~ a packet message is received from said network, said center controller immediately sends the packet message to the wireless I/O circuit thereof and then to the wireless I/O circuit of each of said at least one information home appliance by broadcast; and

wherein upon receipt of a packet message signal from said center controller, the wireless I/O circuit of each of said at least one information home appliance demodulates the packet message signal, ~~and~~ judges if the signal matches or not, and ~~the~~ then proceeds with the required control processing subject to the control instruction for the packet message signal if the signal matches.

2. (Canceled)

3. (Canceled)

4. (Currently Amended) The wireless information home appliance system of claim 1 wherein said at least one information home appliance each further comprises a control circuit adapted to control every component part of the respective information home appliance, and an interface connected to the respective wireless I/O circuit for receiving and transmitting a signal through the respective wireless I/O circuit.

5. (Currently Amended) The wireless information home appliance system of claim 4 wherein the wireless I/O circuit of each of said at least one information home appliance comprises a wireless transmitter-receiver module and a CPU (central processing Unit) connected to the wireless transmitter-receiver module of the respective wireless I/O circuit and the interface of the respective information home appliance respectively and adapted to receive a signal from the control circuit of the respective information home appliance and transmit the received signal to the wireless transmitter-receiver module of the respective wireless I/O circuit for transmission to said center controller, and to transmit a control signal received by the wireless transmitter-receiver module of the respective wireless I/O circuit through the respective interface to the control circuit of the respective information home appliance to drive the control circuit to control the component parts of the respective information home appliance.

6. (Currently Amended) The wireless information home appliance system of claim 1 wherein said center controller further comprises a network interface connected to said network for receiving the packet message signal from a remote side at said network and transmitting a signal to electronic apparatus means at a remote side of said network.

7. (Currently Amended) The wireless information home appliance system of claim 6 wherein the wireless I/O circuit of said center controller comprises a wireless transmitter-receiver module, and a CPU (central processing unit) adapted to receive the packet message signal from a remote side of said network through the network interface of said center controller and transmit the received packet message signal to said at least one information home appliance through the wireless transmitter-receiver module of said center controller, and to transmit a signal from the wireless[[-]] transmitter-receiver module of said center controller to electronic apparatus means at a remote side of said network through the network interface of said center controller.

8. (Currently Amended) The wireless information home appliance system of claim 5 wherein when the CPU of the wireless I/O circuit of one of said at least one information home appliance recognizes a received signal that is not for controlling the respective information home appliance, the CPU of the wireless I/O circuit of the respective information home appliance gives up the packet message.

9. (Original) The wireless information home appliance system of claim 5 wherein the wireless transmitter-receiver module of the wireless I/O circuit of each of said at least one information home appliance is an infrared transmitter-receiver module.

10. (Original) The wireless information home appliance system of claim 7 wherein the wireless transmitter-receiver module of the wireless I/O circuit of each of said at least one information home appliance is an infrared transmitter-receiver module.

11. (Original) The wireless information home appliance system of claim 5 wherein the wireless transmitter-receiver module of the wireless I/O circuit of each of said at least one information home appliance is a transmitter-receiver module constructed subject to bluetooth communication protocol.

12. (Original) The wireless information home appliance system of claim 5 wherein the wireless transmitter-receiver module of the wireless I/O circuit of each of said at least one information home appliance is a transmitter-receiver module constructed subject to bluetooth communication protocol.